

Reclamation Summary of Abandoned Mineral Lands in the National Park Service

Disturbed Lands Restoration Program, Geologic Resources Division, February 2001¹

Field Office/ System Support Office	Park	Reclamation Action ²	Project Cost ³	Mine Sites ⁴	Hazardous Openings ⁵	Oil and Gas Wells ⁶
Alaska						
Alaska	Bering Land Bridge National Preserve			1	1	0
Alaska	Cape Krusenstern National Monument			1	1	0
Alaska	Denali National Park and Preserve	1 placer mine	136,772	25	25	0
Alaska	Gates of the Arctic National Park and Preserve			?	?	0
Alaska	Glacier Bay National Park and Preserve	1 min. mat. mine (.5 acres); 2 closures	350	2	2	0
Alaska	Kenai Fjords National Park			16	18	0
Alaska	Klondike Gold Rush National Historical Park			1	1	0
Alaska	Kobuk Valley National Park			2	2	0
Alaska	Noatak National Preserve			1	1	0
Alaska	Wrangell-St. Elias National Park and Preserve	Removal of hazardous materials; 1 mine	146,370	404	404	0
Alaska	Yukon-Charley Rivers National Preserve			6	6	0
Alaska Totals			283,492	459	461	0
Intermountain						
Colorado Plateau	Arches National Park	2 closures	1,000	1	2	0
Colorado Plateau	Aztec Ruins National Monument			0	0	0
Colorado Plateau	Bryce Canyon National Park			2	0	0
Colorado Plateau	Canyonlands National Park	10 closures	21,982	12	33	9
Colorado Plateau	Capitol Reef National Park	8 closures	21,694	13	28	0
Colorado Plateau	Chaco Culture National Historic Park			2	2	0
Colorado Plateau	Colorado National Monument	1 closure; 2 min. mat. sites (6 acres)	11,400	9	2	0
Colorado Plateau	Dinosaur National Monument	6 closures	14,200	2	8	0
Colorado Plateau	El Malpais National Monument			5	7	0
Colorado Plateau	Fossil Butte National Monument			5	0	0
Colorado Plateau	Glen Canyon National Recreation Area	3 closures	7,122	10	19	4
Colorado Plateau	Grand Canyon National Park	5 closures; partial reclamation at 1 Uranium mine	222,637	25	18	0
Colorado Plateau	Petrified Forest National Park			6	0	0
Colorado Plateau	Timpanogos Cave National Monument			3	3	0
Colorado Plateau	Wupatki National Monument			1	1	0
Colorado Plateau	Zion National Park			11	5	0
Rocky Mountain	Bighorn Canyon National Recreation Area	1 Uranium site	50,000	22	0	0
Rocky Mountain	Black Canyon of the Gunnison National Monument			9	0	0
Rocky Mountain	Curecanti National Recreation Area	1 closure	825	4	2	0
Rocky Mountain	Fort Laramie National Historic Site			1	0	0
Rocky Mountain	Glacier National Park			22	8	1
Rocky Mountain	Grant-Kohrs Ranch National Historic Site			1	0	0
Rocky Mountain	Great Sand Dunes National Monument			2	3	0
Rocky Mountain	Grand Teton National Park			39	3	0
Rocky Mountain	John D. Rockefeller, Jr. Memorial Parkway			1	0	0
Rocky Mountain	Rocky Mountain National Park	7 closures; 4 min. mat. sites (40 acres)	40,917	13	12	0
Rocky Mountain	Yellowstone National Park	1 coal mine; 25 min. mat. sites (156.7 acres)	134,690	85	1	0
Southwest	Amistad Recreation Area			1	1	0
Southwest	Big Bend National Park	16 openings netted 1973-86; gates will be installed over nets 1995	300,000	17	38	0
Southwest	Carlsbad Caverns National Park	1 min. mat. site (1 acre)	700	1	0	0
Southwest	Chickasaw National Recreation Area			1	1	0
Southwest	Chiricahua National Monument			5	1	0
Southwest	Coronado National Memorial	13 closures	18,000	8	62	0
Southwest	Fort Bowie National Historic Site			6	21	0
Southwest	Guadalupe Mountains National Park	177 closures	51,000	1	17	0
Southwest	Lake Meredith National Recreation Area			6	6	0
Southwest	Organ Pipe Cactus National Monument	89 closures	200,000	21	90	0
Southwest	Petroglyph National Monument			3	0	0
Southwest	Saguaro National Park	123 openings fenced	170,500	123	123	0
Southwest	Salinas Pueblo Missions National Monument			1	0	0
Southwest	Tuzigoot National Monument			1	0	0
Intermountain Totals			1,266,667	501	517	14
Midwest						
Great Lakes	Apostle Islands National Lakeshore	Fencing of brownstone quarry sites	?	4	9	0
Great Lakes	Cuyahoga Valley National Recreation Area	28 oil and gas wells plugged and reclaimed; 16 min. mat. sites	1,656,173	23	31	25

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Great Lakes	Hopewell Culture National Historic Park			1	1	0
Great Lakes	Indiana Dunes National Lakeshore			3	6	0
Great Lakes	Isle Royale National Park			14	35	0
Great Lakes	Lincoln Boyhood National Memorial			1	1	0
Great Lakes	Lower Saint Croix National Scenic Riverway			6	10	0
Great Lakes	Pictured Rocks National Lakeshore			2	2	0
Great Lakes	Saint Croix National Scenic Riverway			6	15	0
Great Lakes	Sleeping Bear Dunes National Lakeshore	1 min. mat. site (? acres)	?	9	19	0
Great Lakes	Voyageurs National Park	3 openings fenced	3,000	13	22	0
Great Plains	Badlands National Park			1	0	0
Great Plains	Buffalo National River	20 openings fenced; 2 closures	59,000	23	69	0
Great Plains	Fort Union Trading Post National Historic Site			3	0	0
Great Plains	George Washington Carver National Monument			1	6	0
Great Plains	Homestead National Monument of America	1 min. mat. site (6 acres)	4,200	1	1	0
Great Plains	Hot Springs National Park			8	8	0
Great Plains	Ozark National Scenic Riverways			1	1	0
Great Plains	Scotts Bluff National Monument			1	1	0
Great Plains	Theodore Roosevelt National Park	2 subsidence holes fenced	350	2	1	0
Great Plains	Wilson's Creek National Battlefield			2	3	0
Great Plains	Wind Cave National Park			1	0	0
Midwest Totals			1,722,723	126	241	25
National Capital						
National Capital	Chesapeake & Ohio Canal National Historic Park	3 openings closed; ? openings fenced	3,000	3	8	0
National Capital	National Capital Parks			4	4	0
National Capital	Prince William Forest Park	1 pyrite mine (reclaimed 1994-6)	135,000	2	12	0
National Capital Totals			138,000	9	24	0
Allegheny	Allegheny Portage Railroad National Historic Site	Subsidence holes filled (@ 10)	4,000	4	17	0
Allegheny	Friendship Hill National Historic Site	16 closures; wetlands construction; waste stabilization; strip mine reclamation; subsidence mitigation; historic stabilization	249,343	3	16	0
Allegheny	Gauley River National Recreation Area			11	34	0
Allegheny	New River Gorge National River	101 closures at 12 sites	834,145	116	1,034	0
Chesapeake	Colonial National Historic Park			1	1	0
Chesapeake	Delaware Water Gap National Recreation Area	Temporary closures at Pahaquarry Copper Mine	2,000	29	35	0
Chesapeake	Fredericksburg National Cemetery			2	2	0
Chesapeake	Shenandoah National Park			3	9	0
Chesapeake	Steamtown National Historic Site			1	0	0
Chesapeake	Upper Delaware Scenic and Recreation River			30	30	0
Chesapeake	Valley Forge National Historical Park	1 dolomite quarry	1,152,550	8	8	0
New England	Acadia National Park	4 min. mat. sites (9.5 acres)	6,650	13	13	0
New England	Cape Cod National Seashore			1	1	0
New England	Saratoga National Historical Park			1	1	0
Northeast Totals			2,248,688	223	1,201	0
Pacific West						
Columbia-Cascade	City of Rocks National Reserve	2 min. mat. sites (2 acres)	4,200	5	1	1
Columbia-Cascade	Crater Lake National Park			10	0	0
Columbia-Cascade	Craters of the Moon National Monument	1 metal mine (reclaimed 1994)	5,000	5	3	0
Columbia-Cascade	Mount Rainier National Park	2 min. mat. sites (2 acres); 2 partial closures	3,400	12	2	0
Columbia-Cascade	North Cascades National Park	1 min. mat. sites (1.5 acres)	1,050	44	38	0
Columbia-Cascade	Olympic National Park	2 min. mat. sites (2.3 acres)	1,610	5	0	0
Columbia-Cascade	Ross Lake National Recreation Area			10	9	0
Pacific Great Basin	Channel Islands National Park			2	0	2
Pacific Great Basin	Death Valley National Park (estimated)	350 closures	500,000	243	4,800	0
Pacific Great Basin	Golden Gate National Recreation Area			11	14	0
Pacific Great Basin	Great Basin National Park			19	53	0
Pacific Great Basin	Joshua Tree National Park	29 closures at 14 sites	123,843	289	796	0
Pacific Great Basin	Lake Mead National Recreation Area	23 closures; 300 openings fenced	25,000	181	177	0
Pacific Great Basin	Lassen Volcanic National Park			9	9	1
Pacific Great Basin	Lava Beds National Monument			11	11	0
Pacific Great Basin	Mojave National Preserve (estimated)			428	1,369	?

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Pacific Great Basin	Pinnacles National Monument			3	2	0
Pacific Great Basin	Point Reyes National Seashore			20	20	0
Pacific Great Basin	Redwood National Park	13 min. mat. sites (45.1 acres)	56,655	25	25	0
Pacific Great Basin	Sequoia/Kings Canyon National Park			31	38	0
Pacific Great Basin	Whiskeytown Unit/Whiskeytown-Shasta-Trinity NRA			39	42	0
Pacific Great Basin	Yosemite National Park			20	34	0
Pacific Island	Puukohola Heiau National Historic Site			1	0	0
Pacific West Totals			720,758	1,423	7,443	4
Southeast						
Appalachian	Big South Fork National River & Recreation Area	38 closures at 9 coal mines; reclamation ongoing 1994-8	1,008,056	131	124	?
Appalachian	Blue Ridge Parkway			1	0	0
Appalachian	Chickamauga & Chattanooga National Memorial Park			1	0	0
Appalachian	Cumberland Gap National Historical Park	2 closures; 1 min. mat. site	?	1	2	0
Appalachian	Great Smoky Mountains National Park	3 openings fenced	8,500	2	14	0
Appalachian	Kings Mountain National Military Park	1 opening fenced	?	1	1	0
Appalachian	Mammoth Cave National Park	6 oil and gas wells plugged	89,000	9	0	2
Appalachian	Obed Wild & Scenic River	2 closures	6,000	2	2	0
Appalachian	Russell Cave National Monument	1 closure	1,250	2	2	0
Atlantic Coast	Horseshoe Bend National Military Park			2	0	0
Gulf Coast	Big Cypress National Preserve			286	0	0
Gulf Coast	Big Thicket National Preserve			0	0	0
Gulf Coast	Everglades National Park			17	0	0
Gulf Coast	Jean Lafitte National Historical Park			0	0	6
Gulf Coast	Natchez Trace Parkway			3	1	0
Gulf Coast	Padre Island National Seashore			0	0	0
Gulf Coast	Poverty Point National Monument			0	0	0
Southeast Totals			1,112,806	458	146	8
Totals			7,493,134	3,199	10,033	51

1. This inventory is ongoing. The data was last updated in February 23, 2001

2. This information is based on GRD records and institutional knowledge; it was not collected by a formal survey of park managers. This column reflects only on-the-ground restoration efforts, and does not include inventory or characterization/assessment efforts, which have received considerable attention from and funding by park managers.

3. Restoration costs only. Salary, travel, design, assessment, and inventory costs are not included.

4. The total for this column may change significantly due to estimated values for Death Valley and Mojave. The passage of the California Desert Protection Act in October 1994 added 2,934 million acres to these parks and Joshua Tree. Joshua Tree has completed its inventory since that time, but the numbers for Death Valley and Mojave are based on partial inventories and the rest, estimated from a tabulation of mine sites shown on USGS topographic maps.

5. This column represents the underground openings at a mine site that are potentially hazardous. This includes openings that are not closed and those temporarily or permanently made safe, but does not include the openings that are considered relatively safe without management action, such as small exploratory prospects.

6. This column represents the oil and gas wells in the National Park System that are orphaned -- i.e., wells that are improperly plugged and do not have an identifiable owner. There are 676 abandoned (but not orphaned) oil and gas wells in the System.

7. A thorough investigation of the mineral owners and lessees is required to determine whether apparently abandoned wells are orphaned.

8. Geothermal well